EUROPEAN NUCLEAR SOCIETY

The Nordic Nuclear People

Strengthening the Voice for Nuclear

Beyond Electricity, Beyond Borders, Beyond Societies

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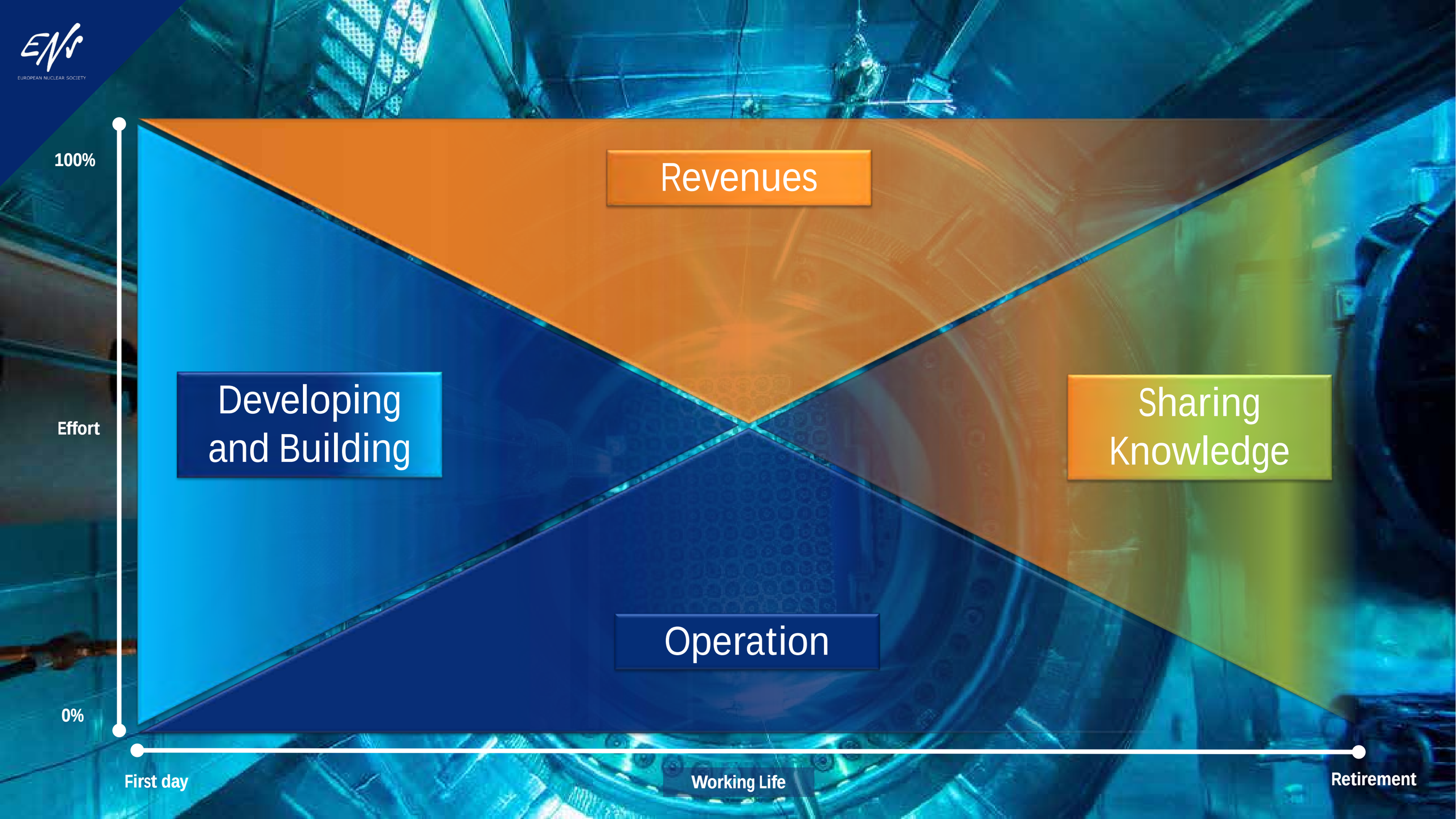
Thomas Wiese
Vice President, European Nuclear Society

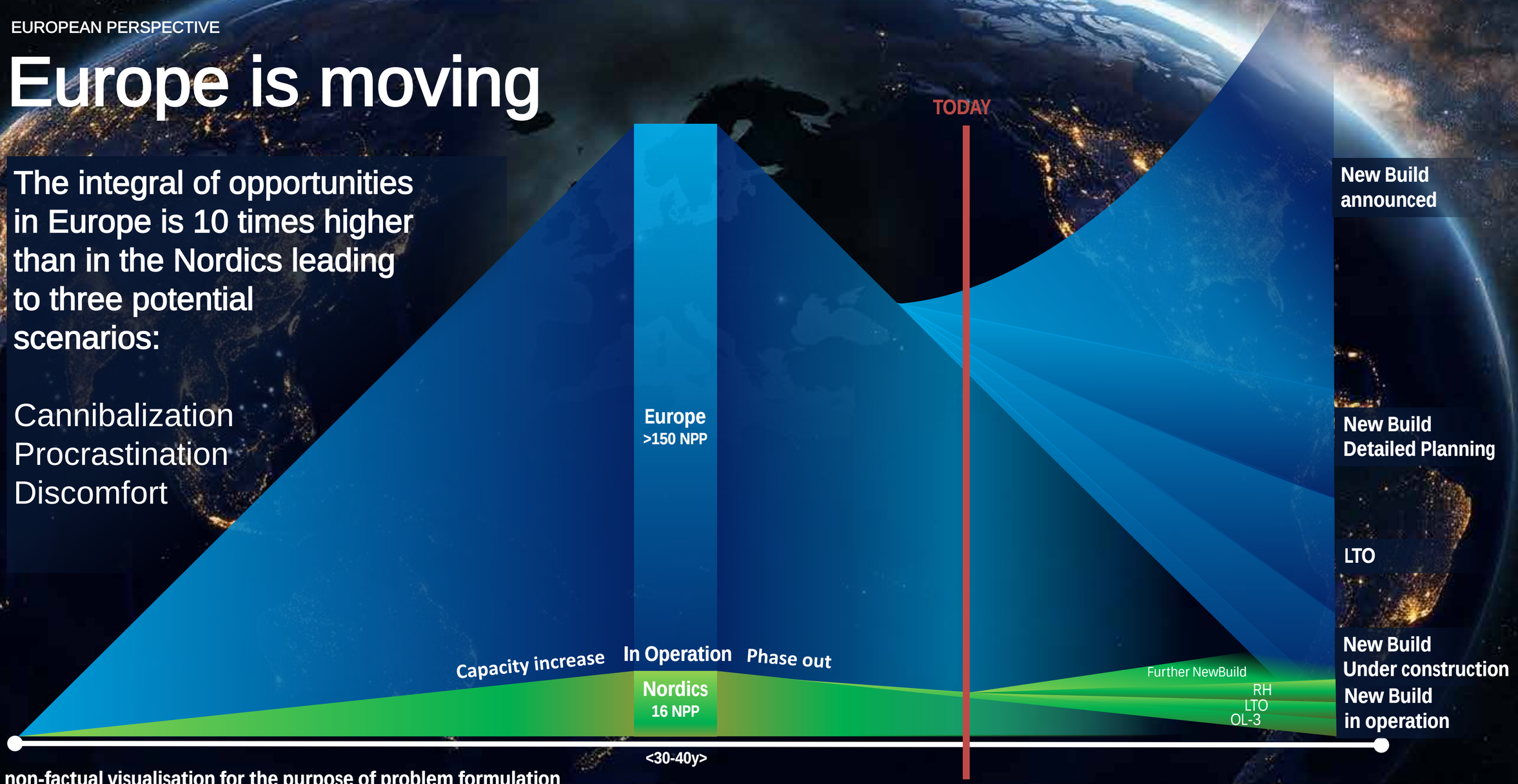

EUROPEAN NUCLEAR SOCIETY
100%
Effort
0%
Revenues
Developing and Building
Sharing Knowledge
Operation
First day
Working Life
Retirement

EUROPEAN PERSPECTIVE

Europe is moving

The integral of opportunities in Europe is 10 times higher than in the Nordics leading to three potential scenarios:

Cannibalization
Procrastination
Discomfort



Exaggerated, non-factual visualisation for the purpose of problem formulation

EUROPEAN PERSPECTIVE

Europe is moving – on power and beyond

Back in growth mode

- **Phase-outs reversing**
  Spain, Switzerland, the Netherlands, Belgium and Sweden are all moving toward extending, not retiring, their fleets
- **New build gathering pace**
  EPR2 in France, Hinkley Point C and Sizewell C in the UK, SMR programmes in Poland and Czechia, a new project in Slovenia
- **Fleets running longer**
  lifetime extensions underway across almost every operating country in Europe

Beyond electricity

- **Fuel-cycle capacity**
  Framatome, EDF and Orano expanding fabrication in France; Westinghouse growing its Swedish fuel plant and investing in Ukraine
- **Radioisotopes**
  the European Radioisotope Valley Initiative building a dedicated strategy for medical and industrial isotopes
- **Fusion and research reactors**
  programms like Wendelstein 7-X, plus flagship projects sustaining a small but essential research reactor base

Nordic Perspective

Strong today with room to grow

What we already do exceptionally well

- **Europe's second-largest fleet**
  Sweden and Finland combined, after France
- **Regulatory cooperation that works**
  Finland's STUK and Sweden's SSM collaborate closely
- **Isotope research depth**
  strong cyclotron and accelerator-based isotope production
- **World-class infrastructure capability**
  Norway routinely builds at a scale beyond a nuclear plant; the Nordics also lead in final repositories

Room to grow, together

- **Reactor-produced isotopes**
  excellent at accelerator isotopes, not yet connected to reactor-based production: an opening more than a gap
- **Closing the fuel cycle**
  outstanding at final disposal; a clear strategic direction on closing the cycle would extend that lead
- **Company-to-company ties**
  authority-level cooperation is excellent; deepening ties between Nordic and European companies is the natural next step

What makes the Nordics going outward

- Make the Nordics more attractive to European partners à lower the entry barriers
- Rethink supply strategy à Nordic firms as active suppliers into Europe, not only buyers of its big projects
- Pull in European know-how deliberately, to close specific qualification gaps
- Put that expertise to work training the wider Nordic industrial base, nuclear and beyond

What Europe gains in return

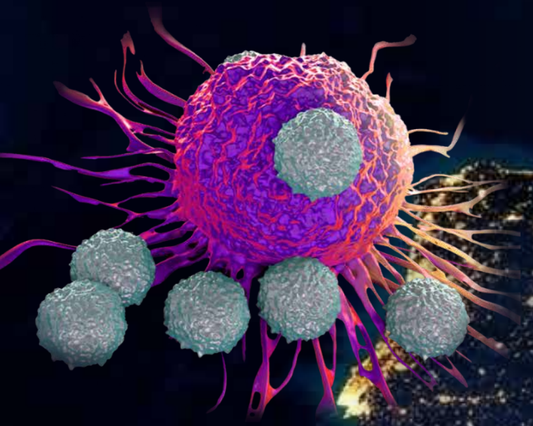
- **Political stability**
  à a unified voice from Europe's second - largest fleet strengthens the whole European case for nuclear
- **Industrial capacity**
  à Nordic steel, mining, fabrication and large - infrastructure expertise can support European new build
- **A regulatory model**
  à Nordic authority - to - authority cooperation is worth building on together
- **More resources**
  à for shared European priorities
  the closed fuel cycle, radioisotopes and fusion

EUROPEAN NUCLEAR SOCIETY

THE BIGGER PICTURE

50%+

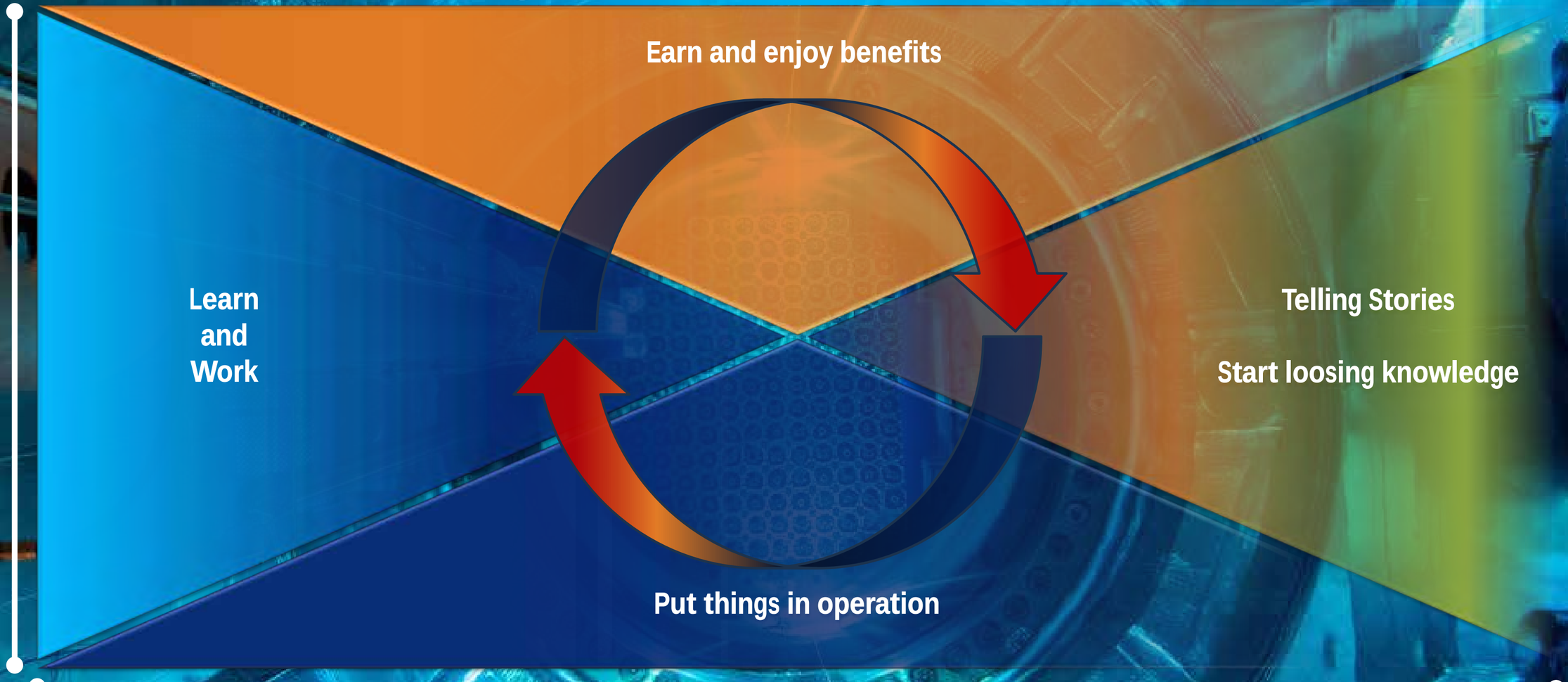
of everyday technical products have passed through a reactor or radiation somewhere in their making from Cobalt-60 sterilised medical devices, mangos from India to the doped silicon wafers inside every smartphone.



THIS IS AN OBLIGATION, NOT A SIDE EFFECT

Almost everyone has an opinion on nuclear power,
including the politicians and partners already in our network. Very few have the facts.

A balanced Ecosystem needs its Societies and Branch organizations



The Role of the ENS: The largest nuclear community in Europe

22

Member societies
12,000+ members across Europe

24

Scientists on the High Scientific Council, from 18 countries
à an independent voice

4,000+

Young professionals in the Young Generation Network
à a voice built to last

150+

Associations behind Nuclear for Climate, present at every COP since 2015

The Role of the ENS: One community, one message

Convening both directions

Carrying the Nordic voice into Europe, and the European perspective into the Nordics

A broader, steadier voice

Speaking to politicians beyond any single company or project, across election cycles

Spreading the foundational knowledge

Helping society understand what nuclear enables, e.g. medicine, semiconductors and fusion as a basis for durable support

Nordic Nuclear People

SKS
SVERIGES KÄRNTEKNISKA SÄLLSKAP
SWEDISH NUCLEAR SOCIETY

NUCLEAR SWEDEN

NORWEGIAN NUCLEAR ASSOCIATION

ATS
SUOMEN ATOMITEKNILLINEN SEURA –
ATOMTEKNISKA SÄLLSKAPET I FINLAND r.y.
FINNISH NUCLEAR SOCIETY

FINNUCLEAR®

DANISH NUCLEAR ALLIANCE

CONCLUSION

Let's build this nuclear renaissance together

Europe brings momentum, diversity and innovation. The Nordics bring stability, industrial strength and regulatory excellence. Inside Out and Outside In —the opportunity is to weave these together, deliberately.

EUROPEAN NUCLEAR SOCIETY

THANK YOU

We look forward to working with you

OFFICE

Avenue des Arts 56, Brussels, Belgium

+32 2 505 30 50

www.euronuclear.org